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# Westfield Carlsbad Specific Plan / Site Development Plan

Draft Environmental Impact Report

SCH No. 2010011004

EIR 09-02

August 2012

Prepared for:

**City of Carlsbad  
Planning Division**

1635 Farady Avenue  
Carlsbad, CA 92008-7314

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**WESTFIELD CARLSBAD  
SPECIFIC PLAN / SITE DEVELOPMENT PLAN  
CARLSBAD, CALIFORNIA**

**DRAFT ENVIRONMENTAL IMPACT REPORT  
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- D Drainage Report and Storm Water Management Plan
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### Volume II

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## ACRONYMS AND ABBREVIATIONS

|                 |  |
|-----------------|--|
| AB              | Assembly Bill  |
| ACMs            | asbestos-containing materials                              |
| ADT             | Average Daily Traffic                                      |
| AMSL            | Above Mean Sea Level                                       |
| APCD            | San Diego Air Pollution Control District                   |
| APN             | Assessor Parcel Number                                     |
| AQIA            | Air Quality Impact Analysis                                |
| BAU             | Business as Usual  |
| BAT/BCT         | Best Available Technologies/Best Conventional Technologies |
| BMPs            | Best Management Practices                                  |
| C-2             | General Commercial   |
| CAA             | Clean Air Act  |
| CAAA            | Clean Air Act Amendments                                   |
| CAAQS           | California Ambient Air Quality Standards                   |
| CAFE            | Corporate Average Fuel Economy                             |
| CALGreen        | California Green Building Code                             |
| CalEEMod        | California Emissions Estimator Model                       |
| Caltrans        | California Department of Transportation                    |
| CAPs            | criteria air pollutants                                    |
| CAPCOA          | California Air Pollution Control Officers' Association     |
| CARB            | California Air Resources Board                             |
| CASQA           | California Stormwater Quality Association                  |
| CC&Rs           | Covenants, Conditions, and Restrictions                    |
| CCAA            | California Clean Air Act                                   |
| CCAP            | California Clean Air Policy                                |
| CCAR            | California Climate Action Registry                         |
| CCR             | California Code of Regulations                             |
| CDFG            | California Department of Fish and Game                     |
| CEC             | California Energy Commission                               |
| CEQA            | California Environmental Quality Act                       |
| cf              | cubic feet   |
| CFCs            | chlorofluorocarbons  |
| CFD             | Community Finance District                                 |
| CFR             | Code of Federal Regulations                                |
| cfs             | cubic feet per second                                      |
| CH <sub>4</sub> | methane  |

## ACRONYMS AND ABBREVIATIONS (cont.)

|                   |   |
|-------------------|---|
| CIP               | Capital Improvement Program                                       |
| CMP               | Congestion Management Plan  |
| CMWD              | Carlsbad Municipal Water District                                 |
| CNCCP             | California Natural Communities Conservation Plan                  |
| CNDDDB            | California Natural Diversity Database                             |
| CNEL              | Community Noise Equivalent Level                                  |
| CNPS              | California Native Plant Society                                   |
| CO                | carbon monoxide   |
| CO <sub>2</sub>   | carbon dioxide  |
| CO <sub>2</sub> e | carbon dioxide equivalent   |
| CPUC              | California Public Utilities Commission                            |
| CSC               | California Department of Fish and Game species of special concern |
| CSSD              | Carlsbad Sewer Service District                                   |
| CUSD              | Carlsbad Unified School District                                  |
| CWA               | Clean Water Act   |
| cy/ac             | cubic yards of grading per acre                                   |
| <br>              |   |
| dB                | decibel   |
| dBA               | A-weighted decibel scale  |
| d/D               | ratio of depth of flow to pipeline diameter                       |
| DEH               | San Diego County Department of Environmental Health               |
| DEIR              | Draft Environmental Impact Report                                 |
| DFG               | California Department of Fish and Game                            |
| diesel PM         | diesel particulate matter   |
| DOT               | United States Department of Transportation                        |
| du                | dwelling unit   |
| <br>              |   |
| EFIG              | Emission Factor and Inventory Group                               |
| EIR               | Environmental Impact Report                                       |
| EMF               | electromagnetic fields  |
| EMFAC             | Emission Factors  |
| EO                | Executive Order   |
| EPA               | U.S. Environmental Protection Agency                              |
| EPIC              | Energy Policy Initiative Center                                   |
| ESA               | Endangered Species Act  |
| EWA               | Encina Wastewater Authority                                       |
| EWPCF             | Encina Water Pollution Control Facility                           |

## ACRONYMS AND ABBREVIATIONS (cont.)

|                  |   |
|------------------|---|
| °F               | degrees Fahrenheit                                    |
| FEMA             | Federal Emergency Management Agency                   |
| FHWA             | Federal Highway Administration                        |
| FIP              | Federal Implementation Plan                           |
| FIRM             | Flood Insurance Rate Map                              |
| FTA              | Federal Transportation Administration                 |
| GHG              | greenhouse gas(es)                                    |
| g/l              | grams per liter                                       |
| GMP              | Growth Management Plan                                |
| gpd              | gallons per day                                       |
| gpm              | gallons per minute                                    |
| GRP              | General Reporting Protocol                            |
| GVW              | gross vehicle weight                                  |
| GWP              | Global Warming Potential                              |
| H <sub>2</sub> S | hydrogen sulfide                                      |
| H&SC             | California Health and Safety Code                     |
| HA               | hydrologic area                                       |
| HCM              | Highway Capacity Manual                               |
| HCP              | Habitat Conservation Plan                             |
| HFCs             | hydrofluorocarbons                                    |
| HHW              | Household Hazardous Waste                             |
| HMP              | Carlsbad Habitat Management Plan                      |
| HMTA             | Hazardous Materials Transportation Act                |
| HSA              | hydrologic subarea                                    |
| HU               | hydrologic unit                                       |
| HVAC             | heating, ventilation, and air conditioning            |
| I-5              | Interstate 5  |
| ICC              | International Code Council                            |
| ICU              | Intersection Capacity Utilization                     |
| in/sec           | inches per second                                     |
| IPCC             | Intergovernmental Panel on Climate Change             |
| ITE              | Institute of Transportation Engineers, Border Section |

## **ACRONYMS AND ABBREVIATIONS (cont.)**

|                    |   |
|--------------------|---|
| kg/MMBTU           | kilograms/million British thermal units                 |
| kV                 | kilovolts   |
| kWh                | kilowatt hours  |
|                    |   |
| L                  | Local Shopping Center                                   |
| LBP                | lead-based paint  |
| lbs/MWh            | pounds per megawatt hour                                |
| LCFS               | Low Carbon Fuel Standard                                |
| L <sub>eq</sub>    | Equivalent Continuous Noise Level                       |
| LFMP               | Local Facilities Management Plan                        |
| LFMZ               | Local Facilities Management Zone                        |
| LID                | Low-Impact Development                                  |
| LOS                | Level of Service  |
| LVW                | loaded vehicle weight                                   |
|                    |   |
| µg/m <sup>3</sup>  | micrograms per cubic meters                             |
| MG                 | million gallons   |
| mgd                | million gallons per day                                 |
| MHCP               | Multiple Habitat Conservation Plan                      |
| MMT                | million metric tons                                     |
| MOU                | Memorandum of Understanding                             |
| MPH                | miles per hour  |
| MS4                | Municipal Separate Storm Water Systems                  |
| MTCO <sub>2</sub>  | metric tons of carbon dioxide                           |
| MTCO <sub>2e</sub> | metric tons of carbon dioxide equivalent                |
| MWD                | Metropolitan Water District                             |
|                    |   |
| N <sub>2</sub> O   | nitrous oxide   |
| NAAQS              | National Ambient Air Quality Standards                  |
| NCCP               | Natural Communities Conservation Plan                   |
| NCTD               | North County Transit District                           |
| NESHAP             | National Emission Standard for Hazardous Air Pollutants |
| NIEHS              | National Institute of Environmental Health Sciences     |
| NO                 | nitrogen oxide  |
| NO <sub>2</sub>    | nitrogen dioxide  |
| NOA                | naturally-occurring asbestos                            |

## ACRONYMS AND ABBREVIATIONS (cont.)

|                   |   |
|-------------------|---|
| NOI               | Notice of Intent  |
| NOP               | Notice of Preparation   |
| NO <sub>x</sub>   | nitrogen oxide  |
| NPDES             | National Pollutant Discharge Elimination System               |
| O                 | Office and Related Commercial                                 |
| O <sub>3</sub>    | ozone   |
| OAL               | Office of Administrative Law                                  |
| OAQPS             | Office of Air Quality and Planning Standards                  |
| OHWM              | ordinary high water mark                                      |
| OMSP              | On-going Multi-Species Plan                                   |
| OMWD              | Olivenhain Municipal Water District                           |
| OPR               | Office of Planning and Research                               |
| OS                | Open Space  |
| Panel             | United Nations Intergovernmental Panel on Climate Change      |
| Pb                | lead  |
| PD                | Planned Development   |
| PFCs              | perfluorocarbons  |
| Plan              | Diesel Risk Reduction Plan                                    |
| PM <sub>10</sub>  | particulate matter less than 10 microns in diameter           |
| PM <sub>2.5</sub> | particulate matter less than 2.5 microns in diameter          |
| PMP               | Paleontological Mitigation Plan                               |
| PP 24             | Precise Plan 24   |
| ppm               | parts per million   |
| ppv               | peak particle velocity  |
| Protocol          | California Climate Action Registry General Reporting Protocol |
| psi               | pounds per square inch  |
| PVC               | polyvinyl chloride  |
| R                 | Regional Commercial   |
| RAQS              | Regional Air Quality Strategy                                 |
| RLM               | Low-Medium Density Residential                                |
| RM                | Medium Density Residential                                    |
| RMH               | Medium-High Density Residential                               |
| ROC               | relative organic compounds                                    |
| ROG               | Reactive Organic Gas  |

## **ACRONYMS AND ABBREVIATIONS (cont.)**

|                 |  |
|-----------------|--|
| RPS             | Renewable Energy Portfolio Standard                    |
| RSPA            | Research and Special Programs Administration           |
| RTCIP           | Regional Transportation Congestion Improvement Program |
| RWQCB           | Regional Water Quality Control Board                   |
| SAM             | Site Assessment and Mitigation Program                 |
| SANDAG          | San Diego Association of Governments                   |
| SANTEC          | San Diego Traffic Engineer's Council                   |
| SAR             | Second Assessment Report                               |
| SB              | Senate Bill  |
| SCAQMD          | South Coast Air Quality Management District            |
| SDAB            | San Diego Air Basin                                    |
| SDCWA           | San Diego County Water Authority                       |
| SDG&E           | San Diego Gas & Electric                               |
| SDP             | Site Development Plan                                  |
| SE              | Southeast Quadrant                                     |
| sf              | square feet  |
| SF <sub>6</sub> | sulfur hexafluoride                                    |
| SIP             | State Implementation Plan                              |
| SO <sub>2</sub> | sulfur dioxide   |
| SO <sub>x</sub> | oxides of sulfur                                       |
| SP 09-01        | Plaza Camino Real Specific Plan                        |
| SP area         | Specific Plan area                                     |
| SUSMP           | Standard Urban Stormwater Mitigation Plan              |
| SWMP            | Storm Water Management Program                         |
| SWPPP           | Storm Water Pollution Prevention Program               |
| SWRCB           | State Water Resources Control Board                    |
| SWSAS           | Storm Water Sampling and Analysis Strategy             |
| TAC             | toxic air contaminant                                  |
| TCM             | Transportation Control Measure                         |
| TIF             | Traffic Impact Fee                                     |
| TIS             | Traffic Impact Study                                   |
| TMDL            | Total Maximum Daily Load                               |
| TNW             | Traditional Navigable Waters                           |
| TRUs            | transportation refrigeration storage units             |

## **ACRONYMS AND ABBREVIATIONS (cont.)**

|         |   |
|---------|---|
| URBEMIS | Urban Emissions Model                   |
| USACE   | United States Army Corps of Engineers   |
| USFWS   | United States Fish and Wildlife Service |
| UST     | Underground Storage Tank                |
| UWMP    | Urban Water Management Plan             |
|         |   |
| V/C     | volume to capacity                      |
| VMT     | vehicle miles traveled                  |
| VOC     | volatile organic compound               |
| VPH     | vehicles per hour                       |
| VPHPL   | vehicles per hour per lane              |
| VWD     | Vallecitos Water District               |
|         |   |
| WQTR    | Water Quality Technical Report          |